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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	O. CONFIRMATION NO.	
09/830,684	(04/30/2001	Masato Takahashi	206379US2PCT	2PCT 9633	
22850	7590	11/23/2004		EXAMINER .		
OBLON, S		MCCLELLAND, N	KIM, PETER B			
	ALEXANDRIA, VA 22314			ART UNIT	PAPER NUMBER	
	,			2851		

DATE MAILED: 11/23/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Application No. Applicant(s)	
Office Andrew Occ	09/830,684	TAKAHASHI, MASAT	то
Office Action Summary	Examiner	Art Unit	je v
	Peter B. Kim	2851	
The MAILING DATE of this communication appeariod for Reply	opears on the cover sheet with	h the correspondence addre	ess
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory perior - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).		oly be timely filed (30) days will be considered timely. HS from the mailing date of this comm NDONED (35 U.S.C. § 133).	nunication.
Status			
1) Responsive to communication(s) filed on 24	September 2004.		
2a) This action is FINAL . 2b) ⊠ Th	is action is non-final.		
3) Since this application is in condition for allow	ance except for formal matte	rs, prosecution as to the m	nerits is
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D.	11, 453 O.G. 213.	
Disposition of Claims			
4) Claim(s) 28,29,31-48 and 51-69 is/are pendir	ng in the application.		
4a) Of the above claim(s) is/are withdra			
5) Claim(s) is/are allowed.			
6) Claim(s) <u>28,29,35,42-54,57-65,67 and 68</u> is/a	are rejected.		
7) Claim(s) <u>31-34,36-41,55,56,66 and 69</u> is/are	•		
8) Claim(s) are subject to restriction and/	or election requirement.		
Application Papers			
9)☐ The specification is objected to by the Examir	ner.		
10) The drawing(s) filed on is/are: a) □ ac		y the Examiner.	
Applicant may not request that any objection to the	e drawing(s) be held in abeyand	e. See 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the corre		-	
11) The oath or declaration is objected to by the E	Examiner. Note the attached	Office Action or form PTO-	-152.
Priority under 35 U.S.C. § 119			
12)⊠ Acknowledgment is made of a claim for foreig a)⊠ All b)□ Some * c)□ None of:	n priority under 35 U.S.C. §	119(a)-(d) or (f).	
1. Certified copies of the priority documer	nts have been received.		
Certified copies of the priority documer	•		
3. Copies of the certified copies of the pri		eceived in this National Sta	age
application from the International Burea	, ,,,		
* See the attached detailed Office action for a lis	it of the certified copies not re	eceived.	
Attachment(s)			
Notice of References Cited (PTO-892)	4) Interview Su		
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 	- manag	Mail Date ormal Patent Application (PTO-15 .·	52)

Art Unit: 2851

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on Sept. 24, 2004 has been entered.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 28, 29, 35, 42-54, 57-65, 67 and 68 are rejected under 35 U.S.C. 102(e) as being anticipated by Hazelton et al. (Hazelton) (6,252,234).

Hazelton discloses an exposure apparatus with a stage unit comprising a sample stage (26) that holds a sample (12), a stage driving mechanism (30), a first transmitting member (62) to which at least one part of the stage driving mechanism is connected and a reaction force caused by driving the sample stage is transmitted and a first damping member (64) on the first transmitting member arranged at a position where a maximum strain of the first transmitting member is caused (col. 4, lines 19-30, the ground is the damping means located where the strain on the transmitting member is at a maximum). Hazelton discloses the stage driving mechanism

comprising a stator arranged on the first transmitting member and a mover that is driven together with the sample stage by electro-magnetic interaction between the stator and the mover (Fig. 2, col. 3, line 54 – col. 4, line 49). Hazelton discloses a stage base (58) that movably supports the sample stage and is supported independently of the first transmitting member. Hazelton discloses a projection optical system (24) between the mask and the substrate, and a holder (42) that is independent of the first transmitting member and holds the projection optical system. Hazelton discloses a controller (22) that synchronously moves the mask and the substrate.

Hazelton discloses an exposure apparatus comprising a driver having a first member (56) couple to the stage (26) and having a second member (50) configured to drive the stage, a stage base (58) that movable supports the stage, a counter stage that moves in a direction opposite to the stage (col. 4, lines 32-49), a first supporting frame (62) that is arranged independently of the stage base and movably supports the counter stage and a damping member (64) that is arranged on the first supporting frame and damps a vibration of the first supporting frame wherein the damping member is arranged at a position where a maximum strain of the first supporting frame is caused (col. 4, lines 19-30, the ground is the damping means located where the strain on the transmitting member is at a maximum). Hazelton discloses a projection optical system (24) and a second supporting frame (42) arranged independently of the first supporting frame and supporting the projection optical system.

Response to Amendment

Applicant argues that Hazelton does not teach the damping member on the first transmitting member. However, Hazelton teaches in Fig. 4, a damping member 64 on the first transmitting member.

Allowable Subject Matter

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Claims 31-34, 36-41, 55, 56, 66, and 69 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter B. Kim whose telephone number is (571) 272-2120. The examiner can normally be reached on 8:30 am - 6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen can be reached on (571) 272-2258. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Peter B. Kim Primary Examiner

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